

(12) PACKING.

Cement shall either be packed in paper-lined air-tight barrels, well constructed and hooped so that, under ordinary conditions of handling, no cement shall sift out, or if in sacks, the texture of the sacks shall be so strong and fine as not to permit of any sifting out or wasting of cement under ordinary conditions of handling. The net amount of cement, deducting the weight of the package, shall be 350 pounds per barrel.

(13) CERTIFICATE.

The manufacturer shall give a written certificate with each shipment of cement, stating (1) the date of manufacture; (2) the tests and analyses which have been obtained at the manufacturer's laboratory for cement taken from the day's grinding, of which the shipment forms a part; (3) that the cement does not contain any adulteration.

(14) FROST TEST.

In case of experimental tests, made for the purpose of determining the action of cements when exposed to severe frost, it is recommended that the cements be mixed at an atmospheric temperature below freezing, with cold water and cold sand, and kept exposed to ordinary winter weather, just as they would be exposed in actual construction of masonry. A description of what is done in this connection should be kept for comparison with other results, and the records of such experiments filed with the secretary of the Canadian Society of Civil Engineers.

(15) HOT BATH TEST.

It has been observed in hot tests that little pustules or eruptions take place on the surface; instances are also given of the glass shattering in the hot bath test without separating from the cement, or without any other sign of failure on the part of the cement. Members of the Society are requested to observe the causes or reasons therefor and report the same to the Secretary of the Society.